

Bulletin

of the

NEW BEDFORD INSTITUTE OF TECHNOLOGY

NEW BEDFORD, MASS.



1957-1958

EVENING DIVISION CATALOGUE

New Bedford Institute Of Technology

LIST OF INSTRUCTORS
GENERAL INFORMATION
LIST OF COURSES

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EVENING SCHOOL

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LEO M. SULLIVAN, B.S., M.A. Professor, Head of Social Science and Humanities

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FRED BEARDSWORTH Associate Professor of Weaving

EDWARD H. CLOUTIER Associate Professor of Knitting

FRANK HOLDEN Associate Professor of Yarn Preparation

JOHN BROADMEADOW, B.S. in Ch.E., B.S. in T.C., M.Ed.

Associate Professor of Organic Chemistry

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Associate Professor of Analytical Chemistry

LENINE GONSALVES, B.S. Associate Professor, Head of Electrical Engineering

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LOUIS PACHECO, JR., B.S. in T.E., M.Ed. Assistant Professor of Yarn Preparation

ANTONE RODIL Assistant Professor of Weaving

WARREN M. HOLT, B.S. Assistant Professor of Mathematics

ALDEN COUNSELL, B.S. in M.E. Instructor in Mechanical Engineering

FERDINAND P. FIOCCHI, B.S. in Ch. Instructor in Inorganic Chemistry

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JOSEPH L. ROBERTS, B.S. in M.E. Instructor in Mechanical Engineering

WILLIAM A. SILVEIRA, B.S. in T.E., M.S. in T.T. Instructor in Textile Engineering

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HANS PICARD, B.S. in E.E. Visiting Instructor in Electronics

J. F. WAREING Visiting Professor, Lecturer in Quality Control

THE EVENING SCHOOL

Organization and Purpose

The Evening School is an integrated administrative unit of the New Bedford Institute of Technology. It is oriented to the need for supplying competently trained personnel to the professions and industries which the Institute serves. In addition, courses are offered to meet a growing need for the continuing education for the adult community.

Entrance Requirements

Entrance requirements vary with the subject selected. Subjects taken for college credit, the requirement is graduation from a recognized high school. Applicants for credit in any course are required to present qualifying records. For all other programs, the only requirement, in general, is graduation from grammar school and the necessary professional or industrial experience.

Registration

Registration forms may be procured in advance at the office of the Registrar. Registration is normally held during the second week of September for the Fall term and during the second week in December for the Spring term. No new registrations will be accepted after the first two weeks of classes have been held except with permission of the Director of Evening School and the Instructor concerned. Students cannot apply for a transfer to a college credit program after the first two weeks of classes.

Tuition and Fees

Tuition and Fees charged for attendance at the Evening School are as follows:

1. Non-credit courses are available without tuition charge to residents of New Bedford. (This is in lieu of a \$10,000 annual grant to the Institution from the city of New Bedford.)
2. Non-credit courses have a tuition charge of \$10.00 per course to non-residents of New Bedford.
3. A \$5.00 fee per credit hour is charged to all students enrolled in a credit course for college credit.
4. Tuition charges according to items 1 and 2 above are applied to students enrolled in a credit course but not seeking college credit.
5. A \$2.00 laboratory fee is required of students enrolled in Chemistry and Machine Shop courses.
6. Refunds, for tuition only, will be made on the basic rate applicable to day students. An application for refund must be made by the student concerned; it is not the function of the Institute.

Attendance

Students must attend 70% of classes held and complete prescribed assignments in order to receive a certificate for the subject. Students in college-credit courses must be present for 80% of scheduled classes.

The academic year consists of two 12 week semesters in the Evening School. The first semester begins at the end of September and extends to the middle of December. The second semester starts during the first week of January and is completed about the end of March.

The sessions per week and the semesters required to complete a subject are shown with each course. A session consists of 1½ hour period. In most courses, one session is given in one night, however, due to the nature of the course, in some cases two sessions (three hours) are completed in one night. Number of credits offered for courses are shown in listing of courses.

Grading System

The system as used in the day program will be adhered to.

COURSES OFFERED — NON CREDIT

TEXTILE DEPARTMENT

		SESSIONS PER WEEK	SEMESTERS
<i>Yarn Preparation Division:</i>			
TE-101, 2	Picking, Carding, Drawing	2	2
TE-201A	Roving Frames	2	1
TE-201B	Spinning	2	1
TE-302	Combing	2	1
TE-203	Cotton Classing	1	1
TE-202	Advanced Calculations	2	1
TE-304	Time Study	1	2
<i>Weaving Division:</i>			
TE-501	Elementary Loom Fixing	2	1
TE-502	Draper Loom Fixing	2	1
TE-503	Automatic Box Loom Fixing	2	1
TE-504	Jacquard Loom Fixing	2	1
<i>Knitting Division:</i>			
TE-241, 2	General Knitting	2	2
TE-245	Flat Knitting	2	1
TE-246	Warp Knitting	2	1
TE-350, 1	Power Sewing	1	1
TE-352, 3	Sewing Machine Maintenance	2	1
<i>Design Division:</i>			
TE-161, 2	Weave Formation I	2	2
TE-261, 2	Weave Formation II	2	2
TE-163, 4	Fabric Analysis I	2	2
TE-263, 4	Fabric Analysis II	2	2
TE-361, 2	Jacquard Designing	2	2
TE-167, 8	Fabric Classification	1	2
TD-210	Fashion Illustration	2	1
TD-306	Screen Printing	1	1

Testing and Microscopy Division:

		SESSIONS PER WEEK	SEMESTERS
TE-182, 3	Physical Testing	2	1
TE-184, 5	Microscopy	2	1
TE-283, 4	Photomicroscopy	2	1

MECHANICAL ENGINEERING DEPARTMENT

ME-501, 2	Engineering Drawing	2	2
ME-503, 4	Advanced Engineering Drawing	2	2
ME-505, 6	Advanced Engineering Drawing	2	2
ME-507	Tool Design	2	2
ME-214	Mechanics (Statics)	2	1
ME-521	Elementary Strength of Materials	2	1
ME-522	Machine Design	2	1
ME-510	Machine Shop Practice	2	2
ME-511	Advanced Machine Shop Practice	2	2

CREDIT COURSES**MATHEMATICS AND PHYSICS DEPARTMENT**

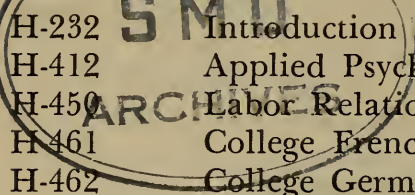
		SESSIONS PER WEEK	SEMES- TERS	CRS.
M-010	Pre-College Mathematics			
M-101	College Mathematics I	3	1	5
M-102	College Mathematics II	3	1	5
M-111	Log Log Deci Trig Slide Rule	1	1	0
M-110	Slide Rule Fundamentals	1	1	0
M-203	Differential Calculus	2	1	3
M-204	Integral Calculus	2	1	3
M-407	Statistics	1	2	3
P-211	Physics	2	1	3
P-212	Physics	2	1	3

ELECTRICAL ENGINEERING DEPARTMENT

EE-313	Electric Circuits and Machines D.C.	2	1	3
EE-314	Electric Circuits and Machines A.C.	2	1	3
EE-315	Electric Circuit Fundamentals	2	1	3
EE-316	Electric Machinery	2	1	3
EE-303	Fundamentals of Electronics	2	1	3
EE-304	Engineering Electronics I	2	1	3
EE-405	Engineering Electronics II	2	1	3

SOCIAL SCIENCE AND HUMANITIES DEPARTMENT

H-110	General Psychology	1	2	3
H-413	Psychology of Adjustment	1	2	3
H-230	Economics	1	2	3
H-340	Sociology	1	2	3
H-120	Government	1	2	3
H-411	Industrial Psychology	1	2	3
H-421	U. S. History	1	2	3



H-232	Introduction to Business
H-412	Applied Psychology
H-450	Labor Relations
H-461	College French
H-462	College German
H-433	Industrial Management
H-441	Social Problems
H-442	World History, since 1900
H-470	Philosophy
H-480	Public Relations

SESSIONS PER WEEK	SEMES- TERS	CRS.
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3

ENGLISH DEPARTMENT

E-101	College English I	2	1	3
E-102	College English II	2	1	3
E-401	Technical Report Writing	1	1	2
E-103	Business English	1	1	2
E-402	Public Speaking	1	1	2

CHEMISTRY DEPARTMENT

Ch-100	General Inorganic Chemistry	2	2	4
Ch-111	Inorganic Chemistry	2	2	4
Ch-112	Inorganic Chemistry II	2	2	4
Ch-113	Qualitative Analysis	2	2	4
Ch-211	Elem. Quantitative Analysis	2	2	4
Ch-212	Elem. Quantitative Analysis II	2	2	4
Ch-221	Introductory Textile Chemistry	2	2	4
Ch-231	Elementary Organic Chemistry	2	2	4
Ch-232	Elem. Organic Chemistry II	2	2	4
Ch-331	Advanced Organic Chemistry	2	2	4
Ch-222	Elementary Dyeing	2	2	4
Ch-341	Textile Printing I	2	2	4
Ch-342	Textile Printing II	2	2	4
Ch-321	Advanced Dyeing I	2	2	4
Ch-421	Advanced Dyeing II	2	2	4
Ch-114	Stoichiometry	2	2	4
Ch-311	Instrumental Analysis	2	2	4
Ch-312	Instrumental Analysis II	2	2	4
Ch-351	Bacteriology	2	2	4
Ch-352	Microbiology	2	2	4
Ch-411	Physical Chemistry	2	2	4
Ch-412	Physical Chemistry II	2	2	4
Ch-441	Industrial Chemical Analysis	2	2	4
Ch-442	Industrial Chemical Analysis II	2	2	4
Ch-451	Textile Finishing	2	2	4
Ch-452	Textile Finishing II	2	2	4